

**WHAT IS CLAIMED IS:**

1. A nucleic acid to be immobilized and used for hybridization of nucleic acids using an immobilized nucleic acid, which has a polymer comprising a compound having an unsaturated bond, said polymer being bonded to the 3' end or 5' end or both ends of the nucleic acid.

2. A nucleic acid according to claim 1, wherein an average degree of polymerization of the polymer is not less than 3 and not more than 100.

3. A nucleic acid according to claim 2, wherein a monomer which constitutes the polymer is nucleotide.

4. A nucleic acid-immobilized substrate comprising a substrate for immobilizing a nucleic acid and the nucleic acid as defined in claim 1 immobilized on the substrate.

5. A nucleic acid-immobilized substrate comprising a substrate for immobilizing a nucleic acid and the nucleic acid as defined in claim 2 immobilized on the substrate.

6. A nucleic acid-immobilized substrate comprising a substrate for immobilizing a nucleic acid and the nucleic acid as defined in claim 3 immobilized on the substrate.

7. A method for producing a nucleic acid-immobilized substrate, comprising bringing a substrate for immobilizing a nucleic acid into contact with the nucleic acid as defined in claim 1, and irradiating a contact portion with an electromagnetic wave.

8. A method for producing a nucleic acid-

immobilized substrate, comprising bringing a substrate for immobilizing a nucleic acid into contact with the nucleic acid as defined in claim 2, and irradiating a contact portion with an electromagnetic wave.

9. A method for producing a nucleic acid-immobilized substrate, comprising bringing a substrate for immobilizing a nucleic acid into contact with the nucleic acid as defined in claim 3, and irradiating a contact portion with an electromagnetic wave.

10. A method for detecting a nucleic acid by hybridization using an immobilized nucleic acid, which comprises using the nucleic acid-immobilized substrate as defined in claim 4.

11. A method for detecting a nucleic acid by hybridization using an immobilized nucleic acid, which comprises using the nucleic acid-immobilized substrate as defined in claim 5.

12. A method for detecting a nucleic acid by hybridization using an immobilized nucleic acid, which comprises using the nucleic acid-immobilized substrate as defined in claim 6.